CONTENTS

Volume 22. No. 1—August

PAGE

CLARK, LUCILLA A. and EASMON, C. S. F. Opsonic requirements of *Staphylococcus epidermidis*. . . 1

EMSLIE, K. R., TOWNSEND, D. E. and GRUBB, W. B. Isolation and characterisation of a family of small plasmids encoding resistance to nucleic acid-binding compounds in *Staphylococcus aureus*. . 9

SAXENA, A., CHUGH, SHASHI and VINAYAK, V. K. Antibody-dependent macrophage-mediated cytotoxicity against *Entamoeba histolytica* 17

TERPSTRA, W. J., SCHOONE, G. J. and TER SHEGGET, J. Detection of leptospiral DNA by nucleic acid hybridisation with ^{32}P- and biotin-labelled probes 23

LUZZI, IDA, CAPRIOLI, A., FALBO, V., GUARINO, A., CAPANO, G., ALESSIO, MARIA, MALAMISURA, B. and GIANFRILLI, PAOLO. Detection of clostridial toxins in stools from children with diarrhoea 29

KETLEY, J. M., MITCHELL, T. J., HASLAM, S. C., STEPHEN, J., CANDY, D. C. A. and BURDON, D. W. Sporogenesis and toxin A production by *Clostridium difficile* 33

WALLIS, T. S., STARKEY, W. G., STEPHEN, J., HADDON, S. J., OSBORNE, M. P. and CANDY, D. C. A. The nature and role of mucosal damage in relation to *Salmonella typhimurium*-induced fluid secretion in the rabbit ileum 39

GOSLING, P. J. Biochemical characteristics, enterotoxigenicity and susceptibility to antimicrobial agents of clinical isolates of *Aeromonas* species encountered in the western region of Saudi Arabia . 51

JONES, D. M., ELDRIDGE, J., FOX, A. J., SETHI, P. and WHORWELL, P. J. Antibody to the gastric campylobacter-like organism ("*Campylobacter pyloridis*")—clinical correlations and distribution in the normal population 57

HAFIZ, S. Role of endotoxin in the pathogenicity of *Neisseria gonorrhoeae* colonial types 1, 4 and 5 determined by chicken embryo model 63

FISHER, GABRIELLE, M., KELSEY, M. C. and COOKE, E. MARY. An investigation of the spread of gentamicin resistance in a district general hospital 69

TENNENT, JAN M., MAY, J. W. and SKURRAY, R. A. Characterisation of chloramphenicol resistance plasmids of *Staphylococcus aureus* and *S. epidermidis* by restriction enzyme mapping techniques 79

SPENCER, R. C. and NICOL, CAROLINE, D. Increased detection of polymicrobial septicaemia by repeat subculture 85

BOOKS RECEIVED 89

Volume 22. No. 2—September

MATHAN, V. I., and RAJAN, D. P. The prevalence of bacterial intestinal pathogens in a healthy rural population in Southern India 93

BARKER, J., FARRELL, E. D. and HUTCHISON, J. G. P. Factors affecting growth of *Legionella pneumophila* in liquid media 97

MOTLOVA, JITKA, WAGNER, M. and JELINKOVA, JARMILA. A search for new group-B streptococcal serotypes 101

TOWNSEND, D. E. BOLTON, S., ASHDOWN, N., TAHERI, S. and GRUBB, W. B. Comparison of phage-mediated and conjugative transfer of staphylococcal plasmids *in vitro* and *in vivo*. 107

TIWARI, R. P., SINGH, G. and VADEHRA, D. V. Drug resistance patterns and susceptibility to aflatoxin B_1 of strains of *Escherichia coli* and *Staphylococcus aureus* 115

ROY, S. and CHAKRAVORTY, M. Spontaneous deletions of drug-resistance determinants from *Salmonella typhimurium* in *Escherichia coli*. 119

KRAFT, C. A., TIMBURY, M. C. and PLATT, D. J. Distribution and genetic location of Tn7 in trimethoprim-resistant *Escherichia coli*. 125

COOPER, G. N. and NARENDRANATHAN, R. Antibacterial immunity to *Vibrio cholerae* in rats . . . 133

ROZENBERG-ARSKA, MAJA, PORSIUS, J. C., JAARSMA, EMMY Y. and VERHOEF, J. Bactericidal, bacteriolytic and opsonic activity of human serum against *Escherichia coli* 143

FRANCZEK, S. P., WILLIAMS, R. P. and HULL, S. I. A survey of potential virulence factors in clinical and environmental isolates of *Serratia marcescens*. 151
USHIJIMA, T. and OZAKI, Y. Potent antagonism of *Escherichia coli, Bacteroides ovatus, Fusobacterium varium*, and *Enterococcus faecalis*, alone or in combination, for enteropathogens in anaerobic continuous flow cultures. 157
BAGG, J. and SILVERWOOD, R. W. Coagglutination reactions between *Candida albicans* and oral bacteria 165
BROOK, I. Isolation of capsulate anaerobic bacteria from orofacial abscesses 171
LUBWAMA, S. W., PLUMMER, F. A., NDINYA-ACHOLA, J., NSANZE, H., NAMAARA, W., D'COSTA, L. J. and RONALD, A. R. Isolation and identification of *Haemophilus ducreyi* in a clinical laboratory . 175
REUTHER, J. W. A. A simplified system for the identification of staphylococci by multipoint inoculation of test media 179
OBITUARY NOTICE 183
BOOKS RECEIVED 187

Volume 22. No. 3—November

FARZAD, Z. and JAMES, K. Isotype response of mice to tetanus-toxoid preparations. 189
AUSIELLO, CLARA M., SPAGNOLI, G. C., BOCCANERA, MARIA, CASALINUOVO, IDA, MALAVASI, F., CASCIANI, C. U. and CASSONE, A. Proliferation of human peripheral blood mononuclear cells induced by *Candida albicans* and its cell wall fractions. 195
SIMS, W. Effect of carbon dioxide on the growth and form of *Candida albicans*. 203
VICKERY, ALISON M., BEARD.-PEGLER, MARY A. and STUBBS, ELIZABETH. Phage-typing patterns and lysogenicity of methicillin-resistant strains of *Staphylococcus aureus* from Sydney, Australia, 1965-85 209
LIVERMORE, D. M. and PITT, T. L. Dissociation of surface properties and "intrinsic" resistance to ß lactams in *Pseudomonas aeruginosa*. 217
JONES, G. R. and GEMMELL, C. G. Effects of *Bacteroides asaccharolyticus* cells and *B. fragilis* surface components on serum opsonisation and phagocytosis 225
COOPER, G. E. and ROWBURY, R. J. Virulence plasmid-associated sensitivity to acid in *Escherichia coli* and its possible significance in human infections. 231
PARIJA, S. C., MISHRA, S. R. and RAO, SAMBASIVA R. Sensitised chick cells in the indirect haemagglutination test for echinococcosis. 237
PARIJA, S. C. and RAO, R. SAMBASIVA. Enhancement of sensitivity of haemagglutination test for echinococcosis by use of *Staphylococcus aureus* protein A. 241
KAMIN, S., HARVEY, W., WILSON, M. and SCUTT, A. Inhibition of fibroblast proliferation and collagen synthesis by capsular material from *Actinobacillus actinomycetemcomitans* 245
SVENSSON, M., CHRISTENSEN, P. and SCHALEN, D. Monoclonal opsonic mouse antibodies specific for streptococcal IgG Fc-receptor 251
HYNES, W. L. and TAGG, J. R. Proteinase-related broad-spectrum inhibitory activity among group-A streptococci. 251
JOHNSON, A. P. and INZANA, T. J. Loss of ciliary activity in organ cultures of rat trachea treated with lipo-oligosaccharide from *Haemophilus influenzae* 265
JOST, B. H., ADLER, B., VINH, T. and FAINE, S. A monoclonal antibody reacting with a determinant on leptospiral lipopolysaccharide protects guinea pigs against leptospirosis 269
ITTY, BECKY M., RAMA MUKHERJEE and ANITA, N. H. Adherence of *Mycobacterium leprae* to Schwann cells *in vitro*. 277
BOOKS RECEIVED 283

Volume 22. No. 4—December

GEMMELL, C. G. Occasional review. Coagulase-negative staphylococci 285

HALES, BARBARA A. and AMYES, S. G. B. Acquisition of a gene encoding mannose-resistant haemagglutinating fimbriae by a resistance plasmid during long-term urinary infection. . . . 297

BARER, M. R., MILLERSHIP, SALLY E. and TABAQCHALI, SOAD. Relationship of toxin production to species in the genus Aeromonas 303

MILLERSHIP, SALLY E., BARER, M. R. and TABAQCHALI, SOAD. Toxin production by *Aeromonas* spp. from different sources 311

ROBINSON, JENNIFER, BEAMAN, JANNICE, WAGENER, LINDA and BURKE, VALERIE. Comparison of direct plating with the use of enrichment culture for isolation of *Aeromonas* spp. from faeces 315

WADE, W. G., ALDRED, M. J. and WALKER, D. M. An improved medium for isolation of *Streptococcus mutans* 319

STEWART-TULL, D. E. S., OLLAR, R. A. and SCOBIE, TAMARA S. Studies on the *Vibrio cholerae* mucinase complex. I. Enzymic activities associated with the complex. 325

BUKHOLM, G., MODALSI, KRISTIN and DEGRÉ, M. Effect of measles-virus infection and interferon treatment on invasiveness of *Shigella flexneri* in HEP2-cell cultures. 335

GUO, YASN-NIE, HSU, H. S., MUMAW, V. R. and NAKONECZNA, IRENE Electronmicroscopy studies on the opsonic role of antiserum and the subsequent destruction of salmonellae within murine inflammatory leukocytes 343

NANNO, M., MOROTOMI, M., TAKAYAMA, H., KUROSHIMA, T., TANAKA R. and MUTAI, M. Mutagenic activation of biliary metabolites of benzo(a)pyrene by ß-glucuronidase-positive bacteria in human faeces 351

MCLAUCHLIN, J., AUDURIER, A. and TAYLOR, A. G. The evaluation of a phage-typing system for *Listeria monocytogenes* for use in epidemiological studies. 357

MCLAUCHLIN, J., AUDURIER, A. and TAYLOR, A. G. Aspects of the epidemiology of human *Listeria monocytogenes* infections in Britain 1967-1984; the use of serotyping and phage-typing. . . . 367

TAPSALL, J. W. and MCIVER, C. J. Septicaemia caused by cysteine-requiring isolates of *Escherichia coli* 379

ANNOUNCEMENT 383

INDEX TO SUBJECTS 385

INDEX TO AUTHORS. 389

PROCEEDINGS OF THE PATHOLOGICAL SOCIETY OF GREAT BRITAIN AND NORTHERN IRELAND . . . . pi